

## COPY OF PAPERS ORIGINALLY FILED



Form 9449 (Modified)

Atty Docket No. AONIP001C1 Applicant: Application No.: 10 035,829

Information Disclosure Statement By Applicant

NOVOTNY et al.

Group

(Use Several Sheets if Necessary)

Filing Date 10/18/2001

2874

U.S. Patent Documents

|                                       |              |            | C 1 at      | chi izocuments |       |          |                |
|---------------------------------------|--------------|------------|-------------|----------------|-------|----------|----------------|
| Examiner                              |              |            |             |                |       | Sub-     | Filing<br>Date |
| Initial                               | No.          | Patent No. | Date        | Patentee       | Class | class    | Date           |
|                                       |              |            |             |                | }     |          |                |
|                                       |              |            | 1           |                |       |          |                |
|                                       |              |            |             |                |       |          |                |
|                                       |              |            |             |                |       |          | 1              |
|                                       |              |            | 1           |                |       |          | 1              |
| · · · · · · · · · · · · · · · · · · · |              |            | 1           |                |       |          | ļ              |
| ~ <del></del>                         | 1            | <u> </u>   | <del></del> |                |       |          | <b>†</b>       |
|                                       | <del> </del> |            | 1           |                |       | <u> </u> | <del> </del>   |

Foreign Patent or Published Foreign Patent Application

| Examiner |          | Document | Publication | Country or    |       | Sub-  | Translation |    |
|----------|----------|----------|-------------|---------------|-------|-------|-------------|----|
| Initial  | No.      | No.      | Date        | Patent Office | Class | class | Yes         | No |
|          | ļ        |          | 1           |               |       |       |             |    |
|          | <u> </u> |          |             |               |       |       |             |    |
|          | <u> </u> |          |             |               |       |       |             |    |
|          |          |          |             |               | 1     |       |             |    |
| 1        |          |          |             |               |       |       | }           | }  |

## Other Documents

| Examiner | 1   |  |
|----------|-----|--|
| Initial  | No. | Author, Title, Date. Place (e.g. Journal) of Publication               |
| MJS      | 1   | U.S. Patent Application No. 09/865,981, filed May 24, 2001             |
| M)5      | 2   | U.S. Patent Application No. 60/206,744, filed May 24, 2000             |
| MJS      | 3   | U.S. Patent Application No. 60 241,269, filed October 17, 2000         |
| M) S     | 4   | U.S. Patent Application No. 09 880,456, filed June 12, 2001            |
| MJS      | 5   | U.S. Patent Application No. 60 211,239, filed June 12, 2000            |
| MJS      | , 6 | U.S. Patent Application No. 09 981,628, filed October 15, 2001         |
|          |     | Elwenspoek, et al, "Silicon Micromachining" (1998)                     |
|          | R   | Nadim, "An Introduction to Microelectromechanical Systems Engineering" |
|          | . İ | (2000)   |
|          |     | Rai-Choudhury, "Handbook of Microlithography, Micromachining, and      |
|          |     | Microtabricanon" (1997)  |
|          |     |  |

10 Conant, et al. "A Flatfick Commission

miled Statel

1/2/04

and the control of th

Buch Bestive

|                     | ,<br>2. |  | and the state of t |  | 学的新品类   | \$\.<br>                   |                                   | ) ( ) ( ) (S |
|---------------------|---------|--|--|--|---------|----------------------------|-----------------------------------|--------------|
| MAN                 | , 5 20  | Ø                                      | ,  |  |         |                            | . Ch-                             | 1 6          |
| <del></del>         |         | <del></del>                            |  |  | Seri    | al No.: 10/                |                                   | et 1 of      |
| J.S. Depar          | tmen    | t of Commerce,                         | Patent and   | d Trademark Office                       |         | <del></del>                |                                   | <del></del>  |
|                     |         |  |  |  |         | ng Date: 10                | <del></del>                       |              |
| SUPPL               | EMEN'   |  | N DISCLOSUR<br>JICANT  | E STATEMENT BY                           |         | ntors: Vlad<br>Parvinder D |                                   | otny         |
|                     |         |  |  |  | Grou    | p Art Unit:                | 2874                              |              |
| "MICR               | 0-0P    | TO-ELECTRO-MEC                         | HANICAL SWI  | TCHING SYSTEM"                           | Exam    | iner Name:                 | Unknown                           |              |
|                     |         |  |  |  |         | rney Docket<br>POOCL (AO-6 |                                   |              |
|                     |         |  | U.S. I   | Patent Documents                         | 3       |                            |                                   |              |
| Examiner<br>Initial |         | Document<br>Number                     | Date   | Name                                     | Class   | Subclass                   | Filing Date,<br>If<br>Appropriate |              |
| MJS                 | Α       | 6,320,993<br>B1                        | 11/20/01   | Laor                                     | 385     | 16                         |                                   |              |
| M)5                 | В       | 5,724,123                              | 03/03/98   | Tanaka                                   | 356     | 5.01                       |                                   |              |
| MJ5                 | С       | 5,872,880                              | 02/16/99   | Maynard                                  | 385     | 88                         |                                   |              |
| M)5                 | D       | 6,483,962                              | 11/19/00   | Novotny                                  | 385     | 18                         |                                   |              |
| MJS                 | E       | US 2002/<br>0186918 A1                 | 12/12/02   | Burroughs                                | 385     | 18 c                       |                                   |              |
|                     |         |  | Foreign  | Patent Documen                           | ts      | C<br>C                     |                                   |              |
|                     |         |  |  |  |         | ::                         | Fransl                            | ation        |
|                     |         | Document<br>Number                     | Date   | Country                                  | Class   | Subclass                   | ृYes                              | No.          |
| MJS                 | F       | WO 01/96924<br>A1                      | 12/20/01   | World Intellect Burroughs et al.         | GO2B    | 06/42                      |                                   |              |
| OTH                 | ER A    | RT (Includi                            | ng Author  | , Title, Date,                           | Pertin  | ent Pages                  | , Etc.                            | )            |
| MJS                 | G       |  |  | dy Giles, and Sasw<br>American, pp. 88   |         |                            |                                   | Optical      |
| M) 5                | Н       | Daniel J. bl.<br>pp. 96-99, J.         | umenthal, "  | Routing Packets wi                       | th Ligh | t," Scienti                | fic Amer                          | rican,       |
| MJS                 | 1       | Wolfgang Ehr                           | feld, Hans<br>gles for th  | Dieter Bauer, "App<br>e Fabrication of O |         |                            |                                   |              |
| MJS                 | J       | John D. Grade<br>for Optical :<br>1-4. | e and Hal J<br>Switching A   | erman, "A Large D<br>pplications," Pres  | ented a | t Hilton Hea               | ad 2000,                          | pp.          |
| RCM                 | к       | Herzel Laor,<br>OXC," LEOS,            | "Construct<br>B pages, No  | ion and Performand<br>vember 8, 1999.    | e of a  | 576x576 Sin                | gle-Stag                          | je           |
| M)2                 | :.      |  | et al. "Per  | formance of a 5%5x                       | STA Opt | inal Cross :               | Connect,                          |              |

Michael State 1/2/04

to the property of the control of th

100 mg

|                     | ۱<br>نور | AN 1 5 2000   |                         |   |          |                             | Shee                             | t 2 :           |  |
|---------------------|----------|---|-------------------------|---|----------|-----------------------------|----------------------------------|-----------------|--|
|                     |          |   | Patent and              | d Trademark Office  | Seri     | al No.: 10/                 |                                  | <del></del>     |  |
|                     |          |   | - , acene an            | <u> </u>  |          | ng Date: 10                 | /18/2001                         |                 |  |
| SUPPL               | EMEN     |   | ION DISCLOSU<br>PLICANT | RE STATEMENT BY   |          | ntors: Vlad<br>Parvinder D  |                                  | tny             |  |
|                     |          |   |                         |   | Grou     | p Art Unit:                 | 2874                             |                 |  |
| "MICR               | 0 - 0 P  | TO-ELECTRO ME   | CHANTCAL SW             | ITCHING SYSTEM"   |          | iner Name:                  |                                  |                 |  |
|                     |          |   |                         |   |          | rney Docket<br>P00Cl (AO-6  |                                  |                 |  |
|                     |          |   | U.S.                    | Patent Document   | s        |                             |                                  |                 |  |
| Examiner<br>Initial |          | Document<br>Number  | Date                    | Name  | Class    | Subclass                    | Filing Date<br>If<br>Appropriate |                 |  |
| MJS                 | М        | 6,252,466<br>B1   | 06/26/01                | <br>Na ÷all.ula   | 331      | 25                          |                                  |                 |  |
| M.)5                | N        | 6,097,859   | 08/01/00                | Solgaard et al.   | 385      | 17                          |                                  |                 |  |
|                     | Cı       |   |                         |   |          |                             |                                  |                 |  |
|                     | F.       |   |                         |   |          | _                           |                                  |                 |  |
|                     | Ç        |   |                         |   |          |                             | •                                |                 |  |
|                     | <b></b>  | <del>*</del>  | Foreign                 | Patent Documer  | nts      | <del></del>                 | 7                                | <del>- :-</del> |  |
|                     |          |   |                         |   |          |                             | Transla                          | tion            |  |
|                     |          | Document<br>Number  | Date                    | Country   | Class    | Subclass                    | Yes                              | N               |  |
|                     | P.       |   |                         |   |          |                             | 1:10                             |                 |  |
| OTH                 | ED A     | PT (Includ  | ira Author              | l   | Dontin   | l Ducce                     | Ft a )                           | <u> </u>        |  |
|                     | s        | James A. Wa   |                         | 'uture of MEMS in '   |          |                             |                                  | "               |  |
| MJS                 |          | Pages Pl  | P7. Bell Lab            | oratories, Lucent   | Technolo | ogies. Febr                 | ruary 2,                         | 2000            |  |
| 1,73                |          | Can Little  | Machines Mak            | il, Million Michi<br>A it Bugin es pa<br>Milliong di Aki es i | gest Dex | ruary (999)<br>a tatologica |                                  |                 |  |
|                     | 1        | Di Cu Bishqu Mill on Michard Hadister for lightware Metroranno The Litt.<br>Machines That Will Make in Figure 2011 Tool 11, Mil I, Leverber Litt. |                         |   |          |                             |                                  |                 |  |
| M)5                 |          |   |                         |   |          |                             |                                  |                 |  |
| M)2                 | \        | pager.  |                         |   |          |                             |                                  |                 |  |

mulas Total

1/2/04

| 13                    | _&_   |  |                       |                    |      |                |                 | Stiee                       | C T OI        |
|-----------------------|-------|--|-----------------------|--------------------|------|----------------|-----------------|-----------------------------|---------------|
| U.S. BADO             | tment | t of Commerce,   | Patent and            | d Trademark Office | S    | eria           | 1 No.: 10/0     | 035,829                     |               |
|                       |       |  |                       |                    | F.   | ilin           | g Date: 10,     | /18/2001                    |               |
| SUPPL                 | EMENT |  | ON DISCLOSU<br>LICANT | RE STATEMENT BY    |      |                | tor: Vlad a     | J. Novotny and<br>on        |               |
|                       |       |  |                       |                    | G    | roup           | Art Unit:       | 2874                        |               |
| "MICR                 | 0-0P7 | ro-electro-mec   | HANICAL SW            | ITCHING SYSTEM"    |      |                | ner Name: 1     |                             |               |
|                       |       |  |                       |                    |      | Attor<br>40-66 | ney Docket<br>6 | No.:                        |               |
| •                     |       |  | U.S.                  | Patent Documents   | s    |                |                 |                             |               |
| *Examiner<br>.Initial |       | Document<br>Number   | Date                  | Name Class         |      | ss             | Subclass        | Filing Date, If Appropriate |               |
|                       | А     |  |                       |                    |      |                |                 |                             |               |
|                       | В     | •  |                       |                    |      |                |                 |                             |               |
|                       | С     |  |                       |                    |      |                |                 |                             |               |
|                       | D     |  |                       |                    |      |                |                 |                             |               |
|                       | E     |  |                       |                    |      |                |                 |                             |               |
|                       |       |  | Foreign               | Patent Documen     | nts  |                |                 | (                           |               |
|                       |       |  |                       |                    |      |                |                 | Translation                 |               |
|                       |       | Document<br>Number   | Date                  | Country            | Clas | ss             | Subclass        | Yes                         | No            |
|                       | F     |  |                       |                    |      |                |                 |                             |               |
| отн                   | ER A  | RT (Includi  | ng Author             | , Title, Date,     | Pert | ine            | nt Pages,       | Etc.)                       |               |
| MJS                   | G     | "Multi-Layer, Self-Aligned Vertical Combdrive Electrostatic Actuators Fabrication Methods." Inventors: Behrang Behin and Satinderpall Pann |                       |                    |      |                |                 |                             | annu.         |
|                       | н     |  |                       |                    |      |                |                 |                             |               |
|                       | I     |  |                       |                    |      |                |                 |                             |               |
|                       | J     |  |                       |                    |      |                |                 |                             | _ <del></del> |
| Examiner              | M     | deelHill   | Do                    | ate Considered     | 1/2/ | 104            | /               |                             |               |
| +00*****              | -     |  |                       |                    |      |                |                 |                             |               |

OIPE

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.